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**From:** Olson, Kyle [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=D8F6BCA1F37C4780AB419DAB7B1D65FF-OLSON, KYLE]  
**Sent:** 2/3/2021 9:11:15 PM  
**To:** Neustifter - CDPHE, Jeremy [jeremy.neustifter@state.co.us]  
**Subject:** RE: FW: Review Request: EtO Emissions Files

Fantastic, thank you Jeremy I really appreciate it. Please forward the meeting invitation to whoever else might be able to help us out with verifying Terumo data.

Thanks,

Kyle Olson  
Air and Radiation Division  
US EPA Region 8  
1595 Wynkoop St. 8P-AR  
Denver, CO 80202  
303-312-6002  
olson.kyle@epa.gov

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**From:** Neustifter - CDPHE, Jeremy <jeremy.neustifter@state.co.us>  
**Sent:** Wednesday, February 3, 2021 12:06 PM  
**To:** Olson, Kyle <Olson.Kyle@epa.gov>  
**Subject:** Re: FW: Review Request: EtO Emissions Files

Hi Kyle,

Happy to chat tomorrow. I'm basically available from 8 am to 2 pm. The numbers you have are definitely outdated, but unfortunately, I don't have access to the servers/databases that I would need to get you updated numbers. So, I'll have to pull some folks into the conversation from APCD. I think Jason Long will be the right one. I'll add him to the meeting invite when I get it and will reach out to see if he has scheduling issues.

Thanks,

JN

On Wed, Feb 3, 2021 at 11:06 AM Olson, Kyle <[Olson.Kyle@epa.gov](mailto:Olson.Kyle@epa.gov)> wrote:

Hi Jeremy-

I was hoping I could catch up with you about this Terumo BCT data- we're trying to verify the emissions numbers of all the commercial EtO sterilizers in the Region and Terumo BCT is one of them. Garry thought that perhaps you might help us to verify the accuracy of these numbers. Would you have some time tomorrow or Friday for a call to discuss these with me and our EtO permit reviewer? Just want to make sure we have good emissions data before moving forward with the new rule for these facilities that our HQ office is working on.

Thanks,

Kyle Olson

Air and Radiation Division

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**From:** Daly, Carl <[Daly.Carl@epa.gov](mailto:Daly.Carl@epa.gov)>

**Sent:** Tuesday, February 2, 2021 10:46 AM

**To:** Kaufman - CDPHE, Garrison ([garrison.kaufman@state.co.us](mailto:garrison.kaufman@state.co.us)) <[garrison.kaufman@state.co.us](mailto:garrison.kaufman@state.co.us)>

**Cc:** Morales, Monica <[Morales.Monica@epa.gov](mailto:Morales.Monica@epa.gov)>; Fiedler, Kerri <[Fiedler.Kerri@epa.gov](mailto:Fiedler.Kerri@epa.gov)>; Olson, Kyle <[Olson.Kyle@epa.gov](mailto:Olson.Kyle@epa.gov)>

**Subject:** Review Request: EtO Emissions Files

Garry

As a mentioned on the phone today, OAQPS has requested that the Regions and states review and QA/QC facility and emissions modeling files for commercial EtO sterilizers that OAQPS is using in preparing a proposed commercial sterilizer MACT rule.

For CO, OAQPS's files include data for Terumo and a few small sources (Boulder BioMed, LivaNova, Jorgensen).

To initiate this review I have attached some files for Terumo - reported EtO emissions by year and modeling parameters.

From a modeling perspective, OAQPS would like to know if estimated emissions appear correct, sources properly located, and release parameters accurate.

If desired, we would be happy to set up call soon to discuss this request with you and the appropriate APCD staff.

OAQPS would appreciate any feedback from us by February 12, 2021.

Thanks for your assistance.

Carl Daly, Acting Director

Air and Radiation Division

EPA, Region 8

303-312-6416

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Jeremy Neustifter

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Your feedback is important to us! Please let us know how I am doing.

COVID-19 is soaring in Colorado. Do your part to keep our community safe and our health care system strong.

- Avoid in-person gatherings.
- Stay at least 6 feet away from others.
- Wear a mask.
- Work from home if you can.
- Sign up for Exposure Notifications.